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Air Resources Board

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Arnold Schwarzenegger
Governor

NOTICE OF DAIRY MANURE TECHNOLOGY FEASIBILITY ASSESSMENT MEETING

The Dairy Manure Technology Feasibility Assessment Panel (Panel), comprised of representatives from state and local government, federal government, industry, environmentalist, conservationist, and academia, will hold their next public meeting on April 7, 2005 – details listed below. The purpose of the Panel is to review technologies most likely to improve the management and treatment of dairy manure in the San Joaquin Valley. The goal of the Panel is to produce a report that: lists and describes these technologies, assesses the environmental and economic performance of each technology, and makes recommendations about which types of technologies may hold the most promise for improving dairy manure management and treatment in the San Joaquin Valley.

The meeting is open to the public, and details for the meeting are as follows:

DATE: Thursday, April 7, 2005
TIME: 9:00 a.m. to 5:00 p.m.
LOCATION: California Air Resources Board
1001 I Street, Training Room 1
Sacramento, CA 95814

The meeting will also be teleconferenced. If you wish to participate by phone, please use the following dial-in information:

DIAL-IN: 866-730-8668

PASSCODE: 7212384

For additional information regarding this meeting, contact Heather Arias at (916) 323-2722, or James Liebman, US EPA, at (415) 947-4241.

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption.
For a list of simple ways you can reduce demand and cut your energy costs, see our Website: <http://www.arb.ca.gov>.*

California Environmental Protection Agency

Dairy Manure Technology Feasibility Assessment

April 7, 2005

9:00 a.m. – 5:00 p.m.

California Environmental Protection Agency Building
1001 I Street, Training Room 1
Sacramento, California

Welcome, Introductions, Opening Remarks

9:00 a.m. Jamie Liebman, U.S. Environmental Protection Agency
Michael FitzGibbon, Air Resources Board

Summary of March 4, 2005 Meeting

9:05 a.m. Heather Arias, Air Resources Board

Websites:

<http://www.arb.ca.gov/ag/caf/dairypnl/dairypanel.htm>

<http://www.manureproducts.info>

Submittal Evaluations

Panelist will be discussing evaluations of each submittal during the approximate times listed below. To allow enough time for discussion by the Panelist we ask the public to hold any comments or questions until the open session. Please remember we will also be asking for public comments on the draft report released in June.

Gasification

- 9:10 a.m. #1 Advanced Concept Technologies ~ PSRG Gasification & Catalytic Reduction to produce Ethanol from Manure
Michael FitzGibbon (Stephanie Kato)
- 9:20 a.m. #16 Coaltec Energy ~ Gasification
Mathew Summers
- 9:30 a.m. #29 Primenergy ~ Solids Gasification & Energy Production
Allen Dusault
- 9:40 a.m. #31 Pyromex ~ Pyromex-Pyrolysis-Hydrolysis Ultrahigh Temperature Gasification
Mathew Summers

Separators

- 9:50 a.m. #22 Integrated Separations Solutions ~ Nutrient Partitioning System
Deanne Meyer
- 10:00 a.m. #24 Kyte Centrifuge ~ Manure Separator
James Liebman
- 10:10 a.m. #27 Nutrient Control Systems ~ Integrity Nutrient Control System
Steven Storelli
- 10:20 a.m. #40 Hydrolve ~ Tempest Drying System
James Liebman
- 10:30 a.m. #44 Baleen Filters ~ Baleen
Mark Cocke

10:40 a.m. #45 Tennessee Valley Authority ~ ReCiprocating Water Technologies
Frank Mitloehner

Composting

10:50 a.m. #15 CH2M Hill ~ Portable and Re-locatable Composting System
Steven Storelli

11:00 a.m. #17 Engineered Compost System ~ In-vessel and Aerated Static Pile Composting System
Steven Storelli

11:10 a.m. #23 Jeesung Livestock ~ Organic Waste Composting Unit
Steven Storelli

11:20 a.m. #34 Wildcat Manufacturing ~ Windrow Composting
Paul Martin

11:30 a.m. #41 Organic Waste Management ~ Field Wet Composting System
James Liebman

11:40 a.m. #43 Agriventures ~ Vermicomposting of Dairy Manure,
Michael FitzGibbon (Stephanie Kato)

Digesters

11:50 a.m. #3 Agricultural Sustainable Energy Technology ~ anaerobic digestion + biogas power generation + fiber conditioning
John Shears

12:00 p.m. GET LUNCH & BRING BACK TO EAT

12:20 p.m. #4 Agricultural Waste Solutions ~ System for Converting Animal Wastes to Energy and Useful By-Products
Michael FitzGibbon (Stephanie Kato)

12:30 p.m. #6 Agrimass ~ Induced Blanket Reactor (anaerobic digestion)
George Simons (Jessica Zhang)

12:40 p.m. #7 AgSmart ~ The O2 Solution
Al Vargas

12:50 p.m. #9A Baumgartner Environics ~ Nitrification/Denitrification (NDN) Nutrient Management System
Frank Mitloehner

1:00 p.m. #11 Bigadan ~ Anaerobic Digestion
George Simons (Jessica Zhang)

1:10 p.m. #13 Biogas Technology ~ Biogas Technology
George Simons (Jessica Zhang)

1:20 a.m. #14 Bion Dairy Corporation ~ Bion Biological Nutrient Removal Waste Treatment System
James Liebman

1:30 p.m. #18 Everstech Consulting ~ Everstech ET Process
John Shears

1:40 p.m. #36 Sharp Energy ~ Anaerobic Digester Lagoons
Mark Cocke

Aeration

1:50 p.m. #5 Agrimass Enviro-Energy ~ Biological Remediation of Manure Wastewater and Manure solids
Al Vargas

2:00 p.m. #8 Air Diffusion Systems ~ AMTS--Advanced Microbial Treatment System
Al Vargas

2:10 p.m. #26 Natural Aeration ~ CIRCUL8 Systems
Al Vargas

2:20 p.m. #42 OCTAFORM Systems Inc. ~ Octaform™ PVC Lined Concrete Tanks with Circul8 System CirCulator
Mark Cocke

Others

2:30 p.m. #2 Agricultural Modeling & Training Systems ~ AMTS Cattle
Deanne Meyer

2:40 p.m. #9B Baumgartner Environics ~ Bio-Curtain® plus Electrostatic Particulate Precipitation Management System
Frank Mitloehner

2:50 p.m. #10 Bencyn West, Inc ~ OrTec Biocatalyst
John Menke

3:00 p.m. #12 Baumgartner Environics ~ Bio Cap
James Liebman

3:10 p.m. #19 Flex Energy ~ Flex-Microturbine
Michael FitzGibbon (Stephanie Kato)

3:20 p.m. #20 Haskell Edwards ~ WaterReclamation System
John Menke

3:30 p.m. #21 Midwestern Bio-Ag Products and Services, Inc. ~ HumaCal™
Deanne Meyer

3:40 p.m. #25 Lanstar Enviro ~ Carbonisation
John Shears

3:50 p.m. #28 Omnifuel Technologies ~ Rapid Pyrolysis
Mathew Summers

4:00 p.m. #30 Pro-Act Microbial ~ Pro-Act Microbial Manure Munching Microbes
Frank Mitloehner

- 4:10 p.m. #32 Sprecher Architects ~ Solar drying of manure and liquid wastes (outside & in greenhouse structures)
Paul Martin
- 4:20 p.m. #33 Waste Technology Transfer ~ Waste Technology Transfer (WTT bio crude oil from organic wastes)
Allen Dusault
- 4:30 p.m. #35 City of Bakersfield - Solid Waste Division ~ Wood Chips
Mark Cocke
- 4:40 p.m. #39 Western Milling ~ Wet Combustion
Mathew Summers
- 4:50 p.m. Open session to provide an opportunity for members of the public to address the Panel**
- 5:00 p.m. Next Steps**